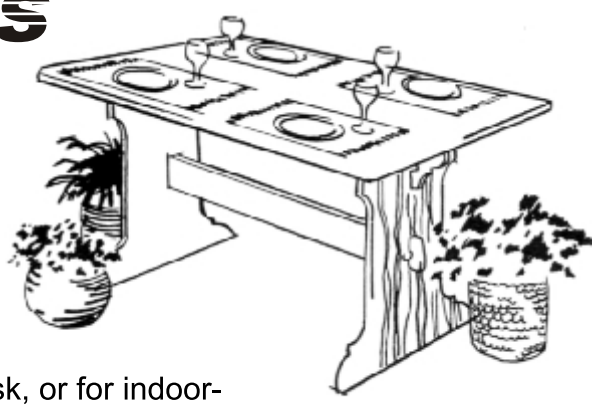
CANPLY Ply Plans

CANADIAN PLYWOOD ASSOCIATION

Trestle Table

Designed by Arvid Orbeck



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This attractive pioneer Trestle Table can be used a s a desk, or for indoor-outdoor dining for six. It fits together with removable pegs, and can be disassembled in minutes into five sections. The rectangular top is divided the long way into narrow, easy-to-handle panels that create an interesting, inlaid wood effect when assembled. Stability is achieved by fitting vertical supports of the table top into cutouts in the legs and securing with pegs. Below that, a support brace interlocks the legs for additional sturdiness. Strength and stiffness of all parts is assured with CANPLY Douglas Fir plywood.

HOW TO BUY PLYWOOD

In the bill of materials, CANPLY Douglas Fir plywood with two faces of highest appearance (Good Two Sides grade) is specified where both sides of the panel will be seen in the finished job. Faces of this grade, which may contain carefully made repairs, are smooth and easy to paint. Select plywood with uniform grain pattern and colouration if you intend to use a light stain finish.

Where only one side of the panel will be seen once the project is completed, Good One Side grade is specified for economy.

Medium Density Overlaid (MDO) plywood (plywood with a resin impregnated fibre overlay) may be used as an alternative to Good Two Sides when an extremely high quality paint finish is desired. MDO plywood is not suitable for a stain finish.

CANPLY DOUGLAS FIR PLYWOOD

Douglas Fir plywood stamped CANPLY is made by member mills of the Canadian Plywood Association. It is bonded with 100% waterproof glue and may be used indoors or out. Look for the edgemark CANPLY on every piece of plywood you buy.

HOW TO WORK WITH DOUGLAS FIR PLYWOOD

CANPLY Douglas Fir plywood is manufactured in large-sized panels which simplify every building step for you. Laying out the parts for cutting is the only step required before starting actual construction. Be sure to allow for saw kerfs between adjacent pieces.

Sawing

Use an 8 to 10 pt. cross-cut for handsawing. Support panel firmly with good face up. For curves use a fine-toothed coping saw. For inside cuts, start hole with a drill; then use coping or keyhole saw. For power sawing, a combination blade gives best results. With first cuts, reduce panel to pieces small enough for easy handling. Use of scrap lumber underneath panel prevents splintering on back. Plan to cut matching parts with same saw setting. Curved cuts may be made with jigsaw, bandsaw or saber saw.

Drilling

Support plywood firmly. For larger holes use brace and bit. When point appears through plywood, reverse and complete hole from back. When drilling, finish slowly to avoid splintering.

Planning

CANPLY Douglas Fir plywood runs in alternative directions so plane from ends toward centre. Use shallow-set blade.

Sanding

CANPLY fir plywood is sanded smooth in manufacture a big time saver so minimum surface sanding is necessary. Most sanding should be confined to panel edges. Use 80 or finer sandpaper before sealer or flat undercoat is applied. After sealing, use 120 sandpaper in direction of grain only.

Gluing

Glue may be used on panel edges and faces. Apply glue to clean surfaces. Press firmly together until “bead” appears. Maintain pressure with clamps, nails or screws to allow glue to set. For exterior exposure use resorcinol type waterproof glues. Gluing is recommended for strongest, permanent fastening.

Nailing

Nail size is determined by the thickness of plywood used, as follows:

Plywood Thickness	*Nail Size*
¼” and 3/8”	1 ½” casing or finishing
½”	1 ½” or 2” casing of finishing
5/8” and ¾”	2” casing or finishing

Substitute casing for finishing nails wherever a heavier nail is needed.
For exterior work always use corrosion-resistant nails.

Other fastenings
Screws, bolts and other special fastenings may be used. Always pre-drill for screws and bolts (see "Drilling" above). Minimum screw sizes as follows:

Plywood Thickness	*Screw Size*	
¼"	¾"	No. 4
3/8"	1"	No. 6
½"	1 ¼"	No. 6
5/8"	1 ¼"	No. 8
¾"	1 ½"	No. 8

HOW TO FINISH DOUGLAS FIR PLYWOOD

For best results always use quality finishes, following the manufacturer's instructions. Whenever practicable, fill the plywood edge grain before painting. Natural finishes do not withstand weathering and are not recommended for plywood outdoors.

EXTERIOR FINISHING

Paint
Prime the panels carefully, front and back, with oil-base house paint undercoat. See that the prime and subsequent coats seal the edge grain. A three-coat finish-with an intermediate coat of primer mixed half-and-half with finish colour – will look best. For the final coat apply the paint as it comes from the can.

When painting plywood doors, give the front and back the same number of coats.

Choose bright-coloured exterior sash and trim enamel for a high-gloss finish on toys, patio furnishings, etc.

Stain
Stain finishes are available which have considerable hiding power but do not conceal the texture of the plywood grain. Creosote base stains penetrate deep into the plywood, producing rich lively colours that enhance grain beauty. Both creosote and non-creosote stains are highly recommended for exterior finishing of CANPLY Douglas Fir plywood. Apply according to manufacturer's directions.

INTERIOR FINISHING

When it comes to finishing indoor projects, give your own taste full sway. Douglas Fir plywood can be painted to harmonize with your decorative theme, or stained to bring out the full beauty of the wood grain.

Extra care in surface preparation and application will give you a more attractive and durable finish. Clean all surfaces perfectly and fill nail holes and blemishes with wood filler. Sand lightly between coats.

Paint or Enamel
Conventional wall and woodwork paints and enamels may be used. (For surfaces which will be cleaned frequently, use washable paints or enamels.) First, brush on flat paint or enamel undercoat. Thin if desired. Second, apply second coat of undercoat, tinted to shade of finish coat. (Note: For gloss finish mix equal parts flat undercoat and gloss enamel for second coat.) Third, apply final coat as it comes from can. (A two-step finish without second undercoat may also be used.)
Interesting textured surfaces may be obtained by priming as above, followed by heavy coat of stippling paint. Use brush, roller or sponge to texture. When using water-thinned paint, first seal plywood with clear resin sealer, shellac or flat white oil paint. Then paint according to directions on can for a sealed surface.

Natural Finishes
For an easy, inexpensive "blond" finish, first apply coat of interior white undercoat thinned so grain pattern shows through. (Tint if you desire colour.) Second, apply clear shellac, flat varnish or lacquer.

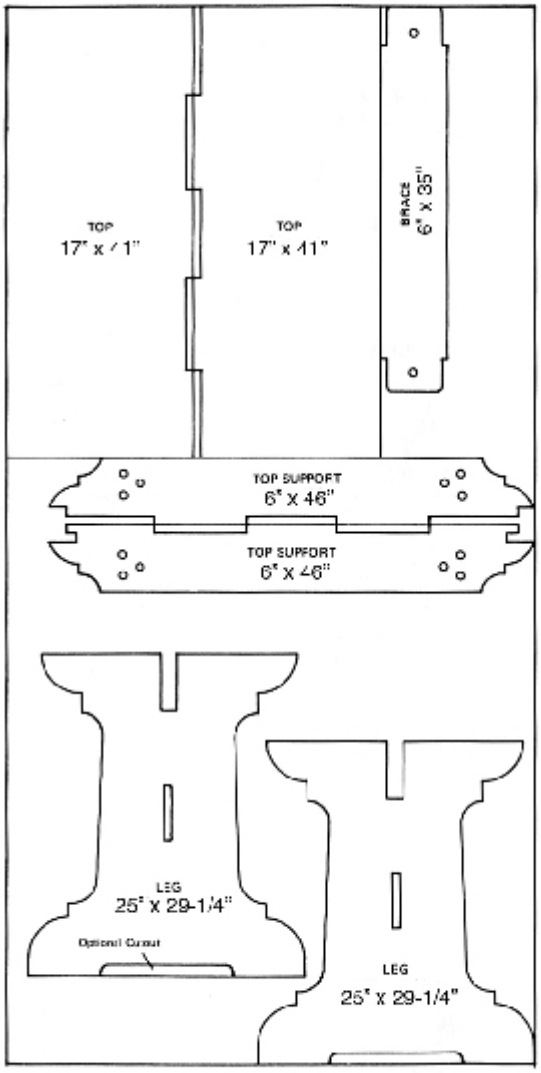
Attractive and economical one-coat stain-waxes are also available in various colours. If you prefer a dark stain, first apply coat of clear resin sealer to subdue grain contrast.

Here's a four step system you can use to get a luxurious light stain glaze: First apply with undercoat thinned with equal parts of turpentine or paint thinner. Wipe or dry-brush for more grain show through. Second, apply one coat thinned white shellac or clear resin sealer. Third, to provide colour apply interior undercoat or enamel thinned as in step one. Choose any colour you want for this coat. Wipe or dry-brush to proper colour tone. Fourth, one coat flat varnish. Steel wool for added lustre.

MATERIAL LIST

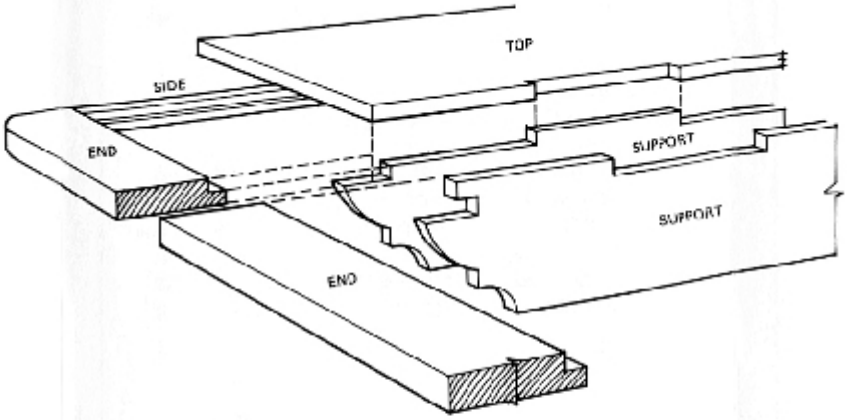
1 panel ¾" x 4' x 8' CANPLY Good Two Sides grade Douglas Fir plywood
2" x 8" x 7' lumber (for top frame)
2" x 2" x 7' lumber (for top frame)
2 ft, ¾" dia. dowel (for pegs)
36, 1 ¼" No. 8 Flat Head screws
½ lb, 2" galvanized finishing nails
Wood filler, sandpaper, wood glue and finishing supplies (stain, paint or antiquing kit) as required

CUTTING DIAGRAM

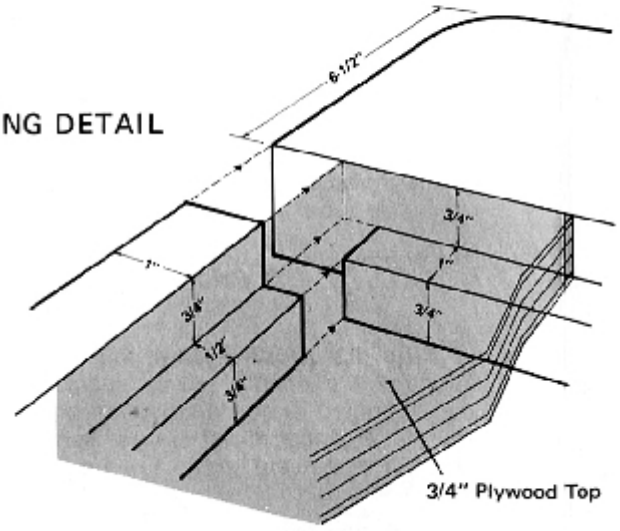


¾"x4'x8' Good/Two Sides
Grade Plywood

TOP ASSEMBLY DETAIL



TOP FRAMING DETAIL



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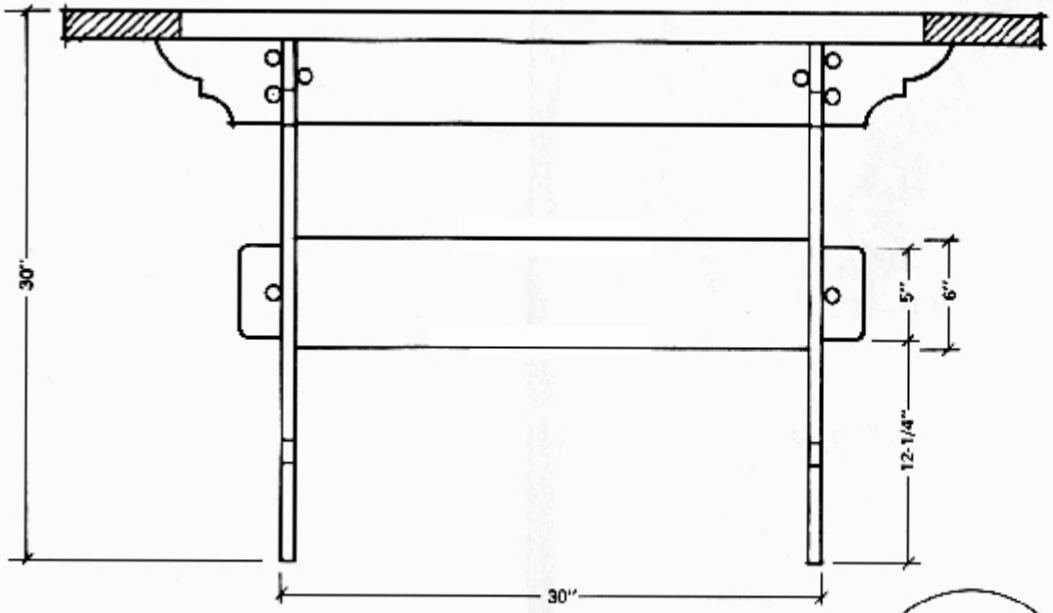
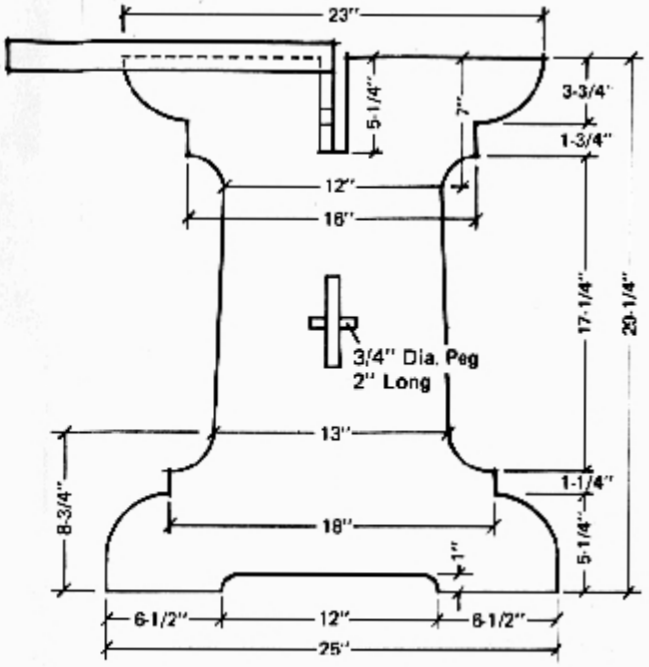
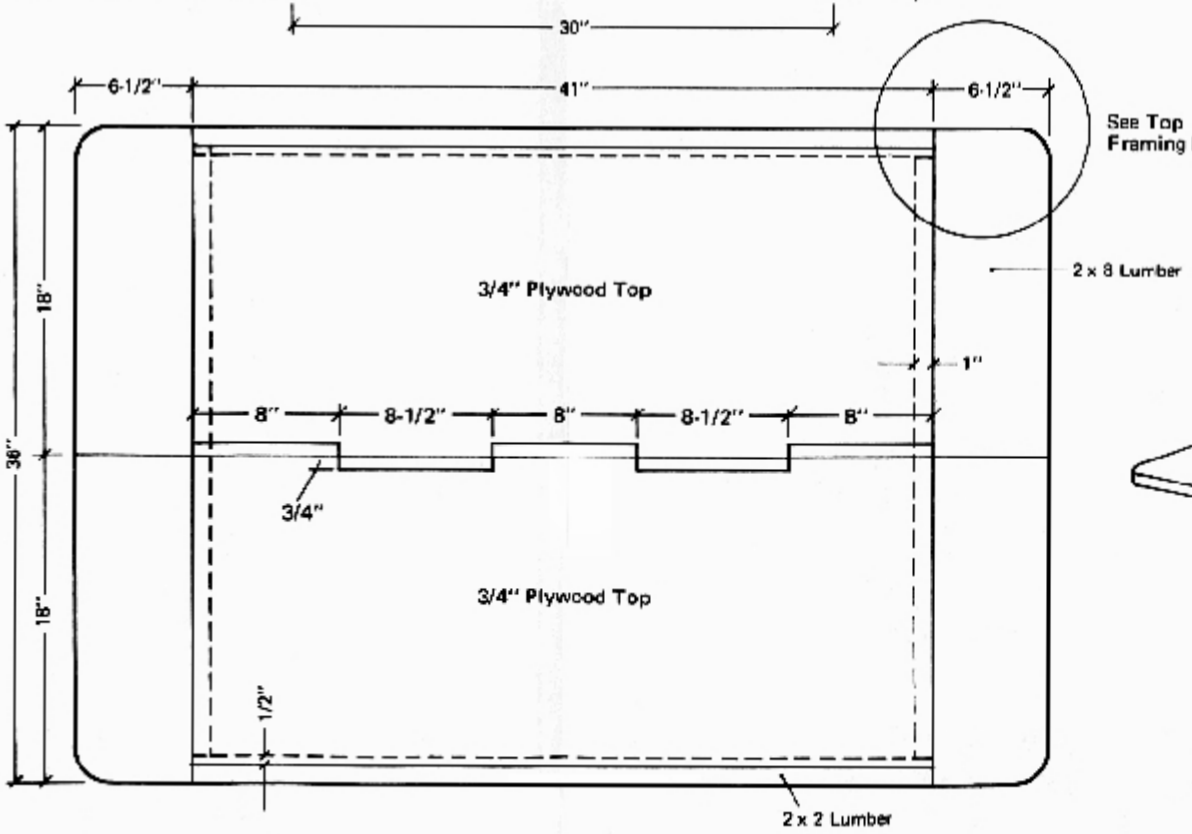
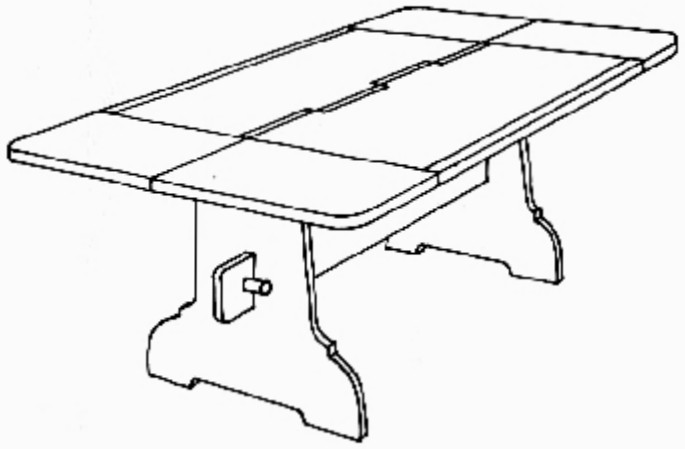








www.canply.org

Canadian Plywood

Superior Quality & Performance

Why Canadian Plywood?

Outstanding Quality

CANPLY plywood will meet your highest standards of quality. Our panels have all the features expected from a premium structural panel.

Smaller Knots

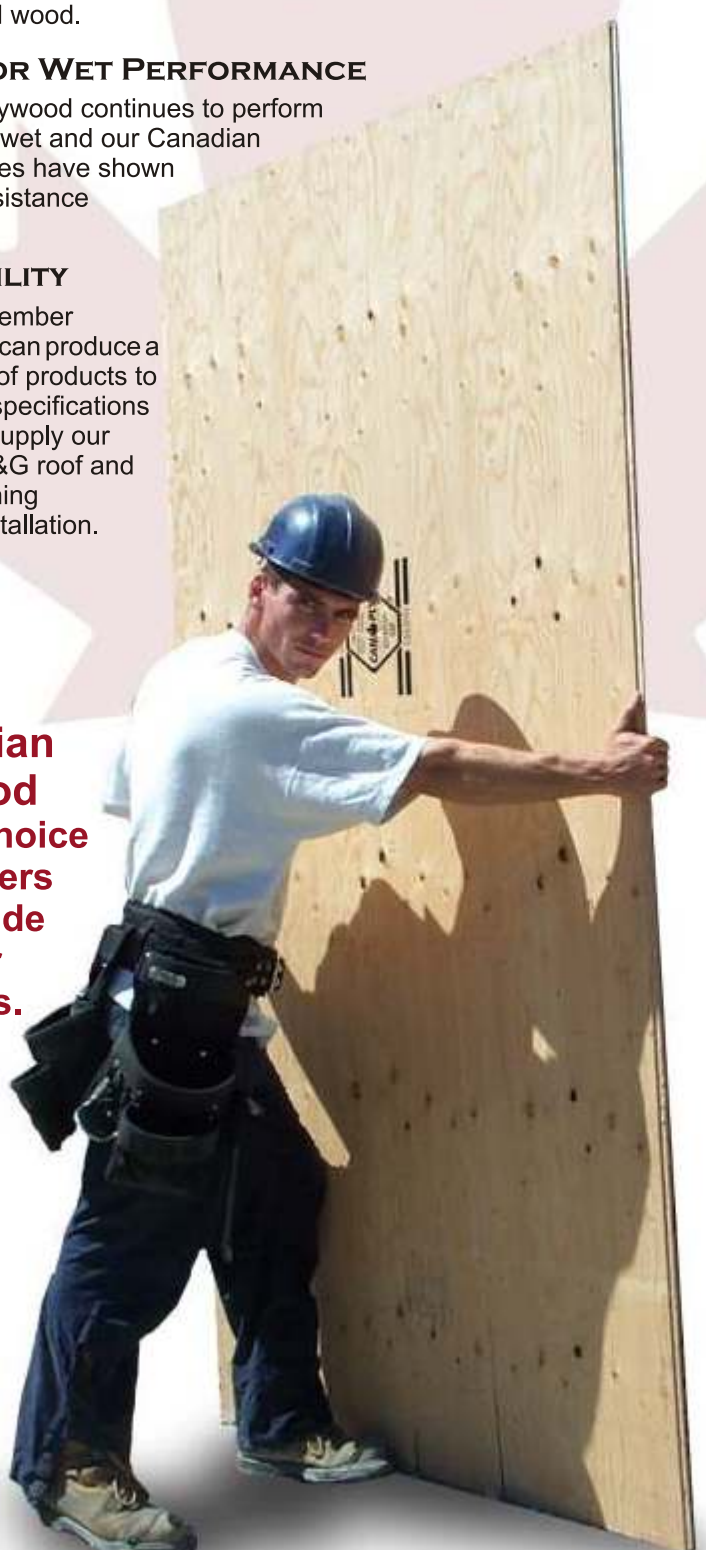
Long, cold, Canadian winters produce quality tight-knotted, fine grained wood.

Superior Wet Performance

CANPLY plywood continues to perform even when wet and our Canadian wood species have shown superior resistance to warp.

Versatility

CANPLY member companies can produce a vast range of products to meet your specifications or we can supply our patented T&G roof and floor sheathing for easy installation.



Canadian Plywood is the choice of builders worldwide for over 50 years.

Benefits of Using Plywood:

Plywood outperforms all substitute wood-based panels on the market today.

Highly Stable
Plywood is a highly stable panel. When exposed to moisture or high humidity, plywood is up to seven times more resistant to thickness swell than substitute wood-based panels. Plywood also returns to its original dimensions when it dries.

Stronger and Lightweight
Plywood is stronger than substitute wood-based panels in the four important engineering strength properties of bending, tension, compression and planar shear and plywood weighs up to 40% less than substitute wood-based panels of equivalent thickness.

Impact Resistant
Plywood is a highly impact-resistant panel and continues to perform even when wet.

Proven Performance
Plywood has over 50 years of proven service as a structural panel for homes and construction and remains, according to surveys, the panel of choice by home buyers, contractors, architects and engineers.

Environmentally Responsible
Plywood is manufactured from logs averaging 25cm (10 inches) in diameter from managed sustainable forests. 100% of the log is utilized for either veneer, or by-products, such as 2x4 lumber, landscaping ties or chips for pulp and paper. Nothing is wasted.

Value Added
Plywood manufacturing, because it is a value added process, employs four times as many people compared to the manufacture of substitute wood-based panels - using the same volume of logs.

Please visit our website for more information:
www.canply.org